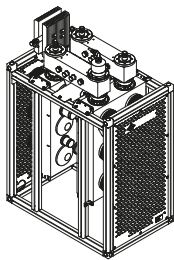
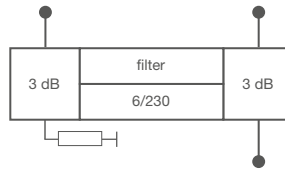
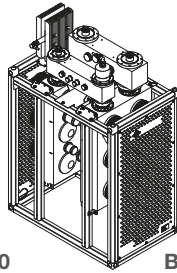


## CCS UHF CIB Combiners

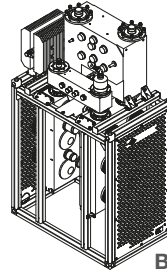
- **CCS** compact design
- Integrated mask filters for DTV
- Adjacent channel operation
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



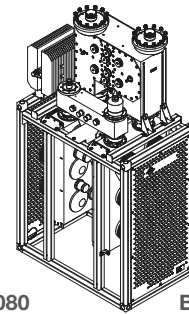
BN 576070A0080



BN 576071A0080



BN 576072A0080



BN 576073A0080

Multi Channel Combiners

Part Number	BN 576070A0080		BN 576071A0080		BN 576072A0080		BN 576073A0080		
Frequency range	470 - 790 MHz								
Channel spacing	≥ 0								
<b>Narrowband input</b>	3 1/8" EIA male								
Filter type integrated cavities/size	<b>6/230 ≡ BN 616669</b>								
Temperature stability	≤ 2 kHz / K								
Harmonics attenuation	≥ 50 dB for f ≤ 800 MHz								
DTV mask filtering	DVB-T @ 8 MHz (Ü/U <sub>rms</sub> =13 dB)		ISDB-T @ 6 MHz (Ü/U <sub>rms</sub> =13 dB)		ATSC 1.0 @ 6 MHz (Ü/U <sub>rms</sub> =11 dB)				
Average input power	≤ 17 kW		≤ 13.5 kW		≤ 13.5 kW				
Tuning instruction	AS6303		AS6365		AS6308				
Insertion loss & mask filtering (alternative tuning on request)		470 MHz	786 MHz		470 MHz	785 MHz		470 MHz	785 MHz
	f <sub>0</sub>	≤ 0.30 dB	≤ 0.4 dB	f <sub>0</sub>	≤ 0.4 dB	≤ 0.55 dB	f <sub>0</sub>	≤ 0.45 dB	≤ 0.5 dB
	f <sub>0</sub> ± 3.805	≤ 0.75 dB	≤ 0.9 dB	f <sub>0</sub> ± 2.79	≤ 0.85 dB	≤ 1.0 dB	f <sub>0</sub> ± 2.69	≤ 0.80 dB	≤ 0.8 dB
	f <sub>0</sub> ± 3.885	≤ 0.85 dB	≤ 1.0 dB	f <sub>0</sub> ± 3.0	≥ 2 dB		f <sub>0</sub> ± 3.5	≥ 3 dB	
	f <sub>0</sub> ± 4.2	≥ 4 dB		f <sub>0</sub> ± 3.15	≥ 8 dB		f <sub>0</sub> ± 4	≥ 8 dB	
	f <sub>0</sub> ± 6	≥ 20 dB		f <sub>0</sub> ± 4.5	≥ 23 dB		f <sub>0</sub> ± 6	≥ 30 dB	
	f <sub>0</sub> ± 12	≥ 40 dB		f <sub>0</sub> ± 9	≥ 48 dB		f <sub>0</sub> ± 9	≥ 65 dB	
			f <sub>0</sub> ± 15	≥ 50 dB					
Group delay variation	Δτ ≤ 350 ns		Δτ ≤ 500 ns		Δτ ≤ 500 ns		Δτ ≤ 200 ns		
<b>Wideband input</b>	3 1/8" EIA male		4 1/2" EIA male		52-120 BT male		6 1/8" EIA male		
Average input power	≤ 17.5 kW		≤ 33 kW		≤ 60 kW		≤ 60 kW		
DTV mask filtering	No								
Insertion loss	≤ 0.1 dB (non adjacent)								
<b>Output</b>	3 1/8" EIA male		4 1/2" EIA male		52-120 BT male		6 1/8" EIA male		
Peak output voltage	≤ 12.5 kV		≤ 15.5 kV		≤ 19.5 kV		≤ 24 kV		
Average output power	-		-		≤ 60 kW		-		
Isolation between inputs	≥ 35 dB								
VSWR (one WB channel)	≤ 1.06								
Dimensions (L x W x H) mm	900 x 570 x 1400				900 x 570 x 1600		900 x 570 x 1650		
Weight	≈ 160 kg		≈ 170 kg		≈ 220 kg		≈ 245 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								